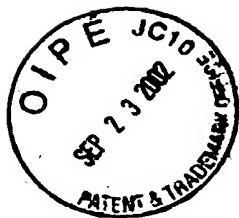




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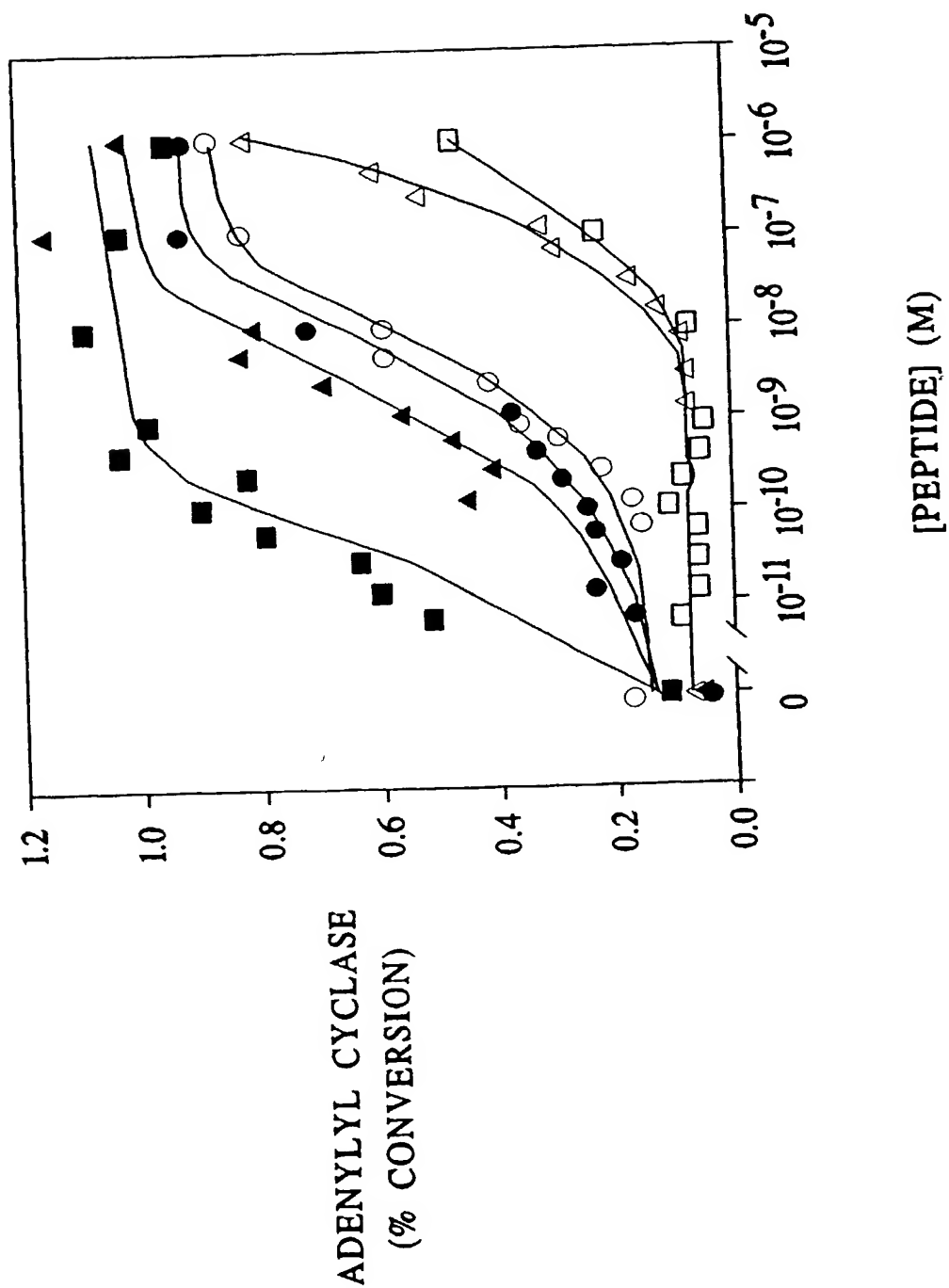
Fig. 1A

| | | | | | | | | | | | | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|
| AGCTTCCGAG | AGGCAGCCGA | TGTGAGCATG | TGCOCACAGA | TTCTGTCTCC | AATGGCATGG | | 60 | | | | | | | | | | |
| CAGCTTCAAG | GAAAATTATT | TTGAACAGAC | TTGAATGCAT | AAGATTAAAG | TTAAAGCAGA | | 120 | | | | | | | | | | |
| AGTGAGAACA | AGAAAGCAAA | GAGCAGACTC | TTTCAACTGA | GAATGAATAT | TTTGAAGCCC | | 180 | | | | | | | | | | |
| AAGATTTTAA | AGTGATGATG | ATTAGAGTCG | TACCTAAAAG | AGACTAAAAA | CTCCATGTCA | | 240 | | | | | | | | | | |
| AGCTCTGGAC | TTGTGACATT | TACTCACAGC | AGGCATGGCA | ATTTTAGCCT | CACAACTTTC | | 300 | | | | | | | | | | |
| AGACAGATAA | AGACTTGGAG | GAAATAACTG | AGACGACTCC | CTGACCCAGG | AGGTTAAATC | | 360 | | | | | | | | | | |
| AATTCAGGGG | GACACTGGAA | TTCTCCTGCC | AGC | ATG | GTG | AAC | TCC | ACC | CAC | CGT | | 414 | | | | | |
| | | | Met | Val | Asn | Ser | Thr | His | Arg | | | | | | | | |
| | | | 1 | | | | | 5 | | | | | | | | | |
| GGG | ATG | CAC | ACT | TCT | CTG | CAC | CTC | TGG | AAC | CGC | AGC | AGT | TAC | AGA | CTG | | 462 |
| Gly | Met | His | Thr | Ser | Leu | His | Leu | Trp | Asn | Arg | Ser | Ser | Tyr | Arg | Leu | | |
| | | 10 | | | | | 15 | | | | | 20 | | | | | |
| CAC | AGC | AAT | GCC | AGT | GAG | TCC | CTT | GGA | AAA | GGC | TAC | TCT | GAT | GGA | GGG | | 510 |
| His | Ser | Asn | Ala | Ser | Glu | Ser | Leu | Gly | Lys | Gly | Tyr | Ser | Asp | Gly | Gly | | |
| | | 25 | | | | 30 | | | | | 35 | | | | | | |
| TGC | TAC | GAG | CAA | CTT | TTT | GTC | TCT | CCT | GAG | GTG | TTT | GTG | ACT | CTG | GGT | | 558 |
| Cys | Tyr | Glu | Gln | Leu | Phe | Val | Ser | Pro | Glu | Val | Phe | Val | Thr | Leu | Gly | | |
| 40 | | | | | 45 | | | | | 50 | | | | | 55 | | |
| GTG | ATC | AGC | TTG | TTG | GAG | AAT | ATC | TTA | GTG | ATT | GTG | GCA | ATA | GCC | AAG | | 606 |
| Val | Ile | Ser | Leu | Leu | Glu | Asn | Ile | Leu | Val | Ile | Val | Ala | Ile | Ala | Lys | | |
| | | | | 60 | | | | | 65 | | | | | 70 | | | |
| AAC | AAG | AAT | CTG | CAT | TCA | CCC | ATG | TAC | TTT | TTC | ATC | TGC | AGC | TTG | GCT | | 654 |
| Asn | Lys | Asn | Leu | His | Ser | Pro | Met | Tyr | Phe | Phe | Ile | Cys | Ser | Leu | Ala | | |
| | | | 75 | | | | | 80 | | | | | 85 | | | | |
| GTG | GCT | GAT | ATG | CTG | GTG | AGC | GTT | TCA | AAT | GGA | TCA | GAA | ACC | ATT | ATC | | 702 |
| Val | Ala | Asp | Met | Leu | Val | Ser | Val | Ser | Asn | Gly | Ser | Glu | Thr | Ile | Ile | | |
| | | 90 | | | | | 95 | | | | | 100 | | | | | |
| ATC | ACC | CTA | TTA | AAC | AGT | ACA | GAT | ACG | GAT | GCA | CAG | AGT | TTC | ACA | GTG | | 750 |
| Ile | Thr | Leu | Leu | Asn | Ser | Thr | Asp | Thr | Asp | Ala | Gln | Ser | Phe | Thr | Val | | |
| | 105 | | | | | 110 | | | | | 115 | | | | | | |
| AAT | ATT | GAT | AAT | GTC | ATT | GAC | TCG | GTG | ATC | TGT | AGC | TCC | TTG | CTT | GCA | | 798 |
| Asn | Ile | Asp | Asn | Val | Ile | Asp | Ser | Val | Ile | Cys | Ser | Ser | Leu | Leu | Ala | | |
| 120 | | | | 125 | | | | | | 130 | | | | | 135 | | |
| TCC | ATT | TGC | AGC | CTG | CTT | TCA | ATT | GCA | GTG | GAC | AGG | TAC | TTT | ACT | ATC | | 846 |
| Ser | Ile | Cys | Ser | Leu | Leu | Ser | Ile | Ala | Val | Asp | Arg | Tyr | Phe | Thr | Ile | | |
| | | | | 140 | | | | | 145 | | | | | 150 | | | |
| TTC | TAT | GCT | CTC | CAG | TAC | CAT | AAC | ATT | ATG | ACA | GTT | AAG | CGG | GTT | GGG | | 894 |
| Phe | Tyr | Ala | Leu | Gln | Tyr | His | Asn | Ile | Met | Thr | Val | Lys | Arg | Val | Gly | | |
| | | | 155 | | | | | 160 | | | | | 165 | | | | |
| ATC | AGC | ATA | AGT | TGT | ATC | TGG | GCA | GCT | TGC | ACG | GTT | TCA | GGC | ATT | TTG | | 942 |
| Ile | Ser | Ile | Ser | Cys | | | | | | | | | | | | | |



100074254, 100074255

Fig. 2



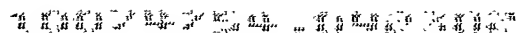
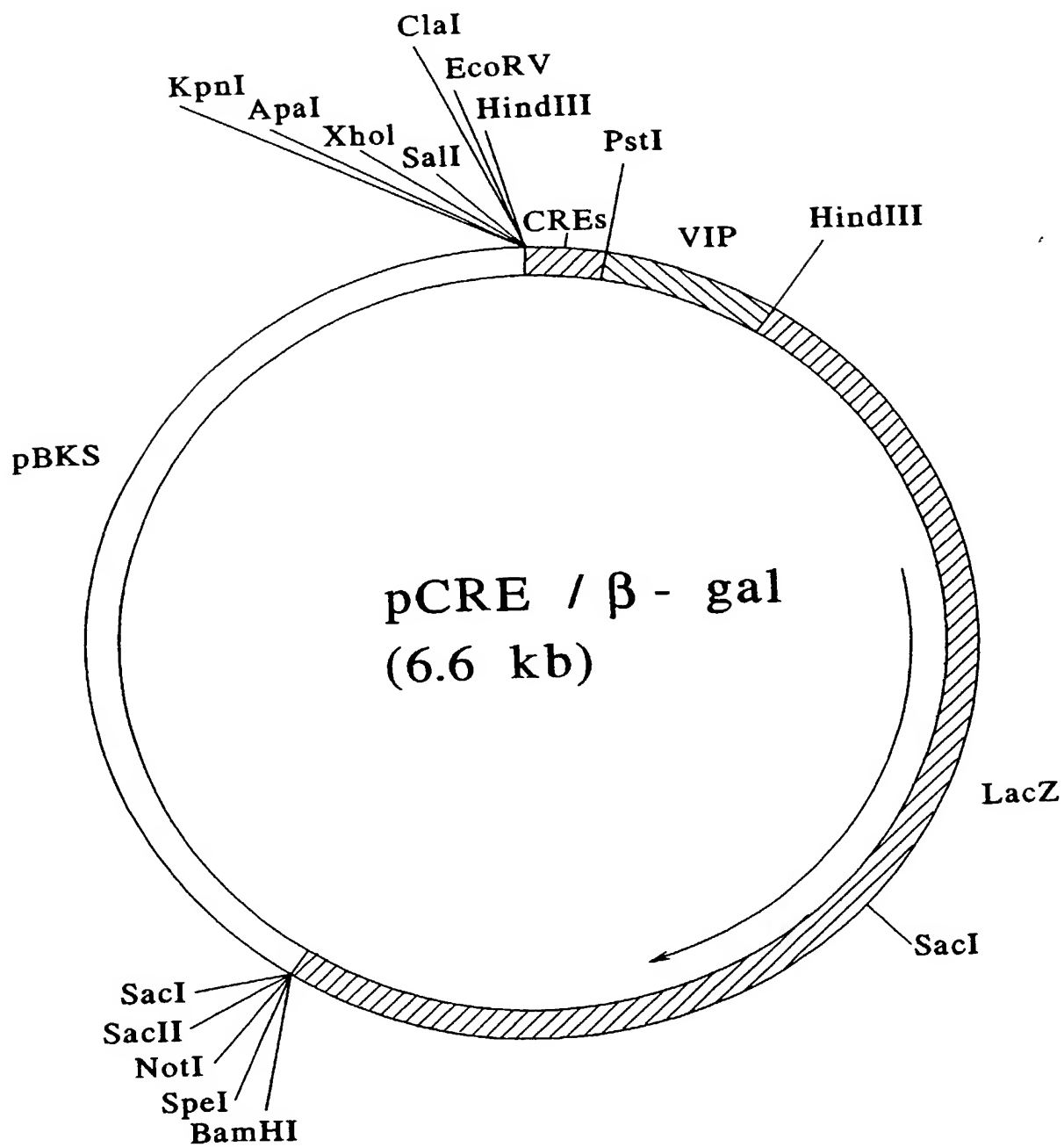


Fig. 3



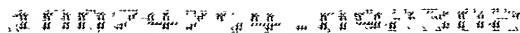
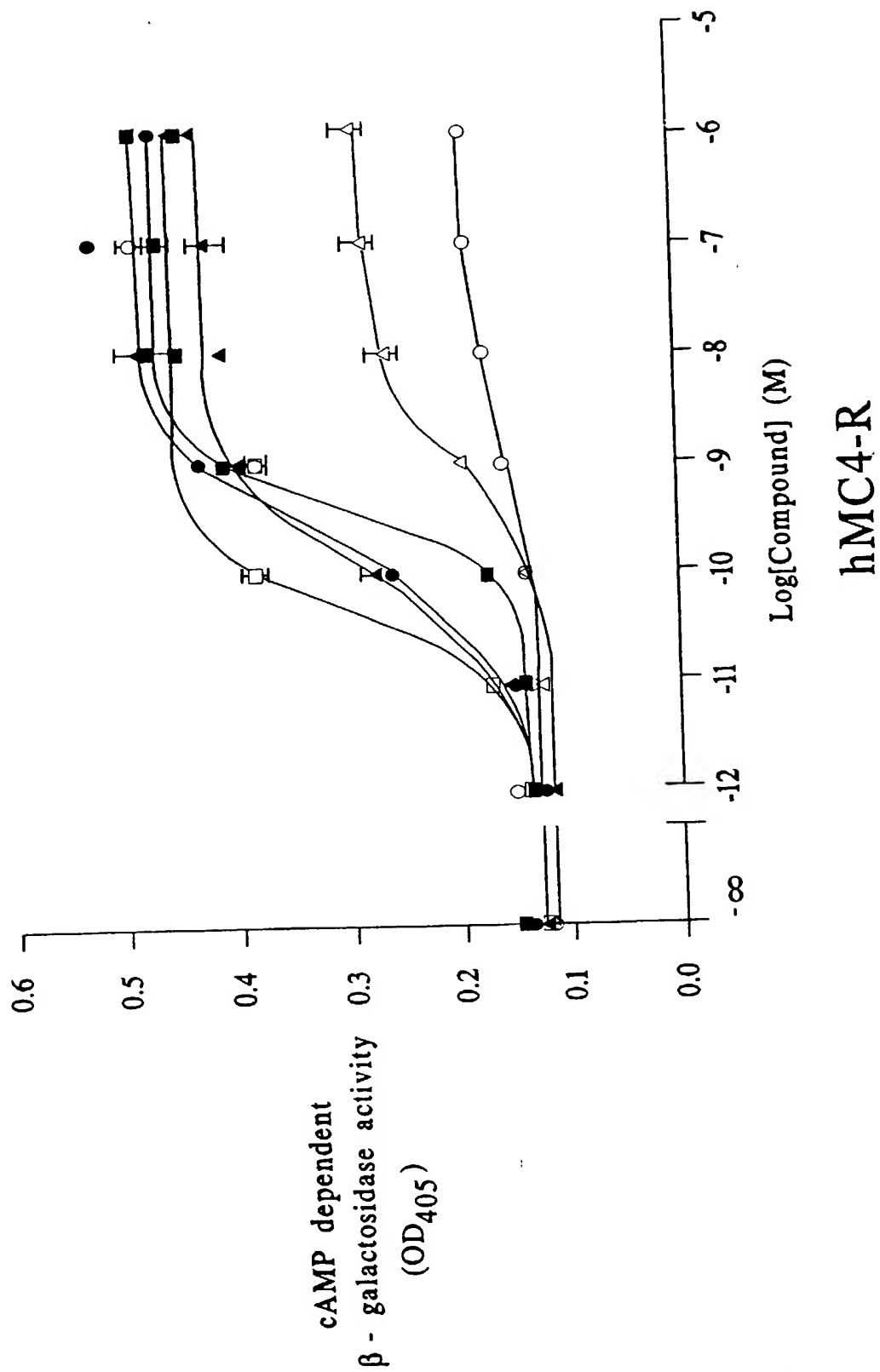
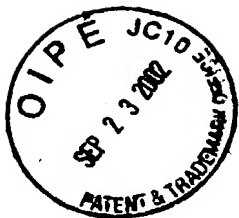


Fig. 4





XXXXXXXXXXXXXXXXXXXX

Fig. 5

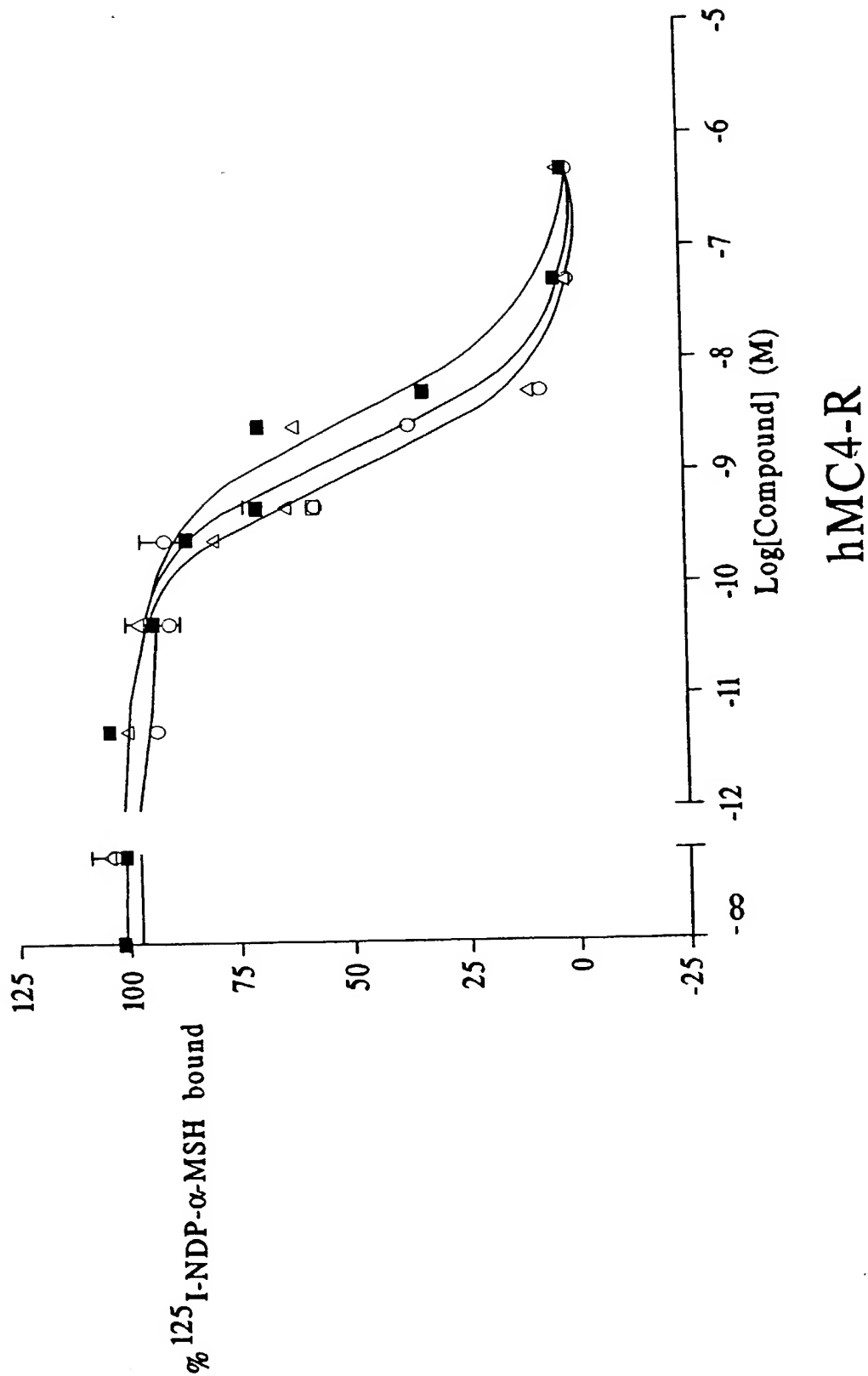
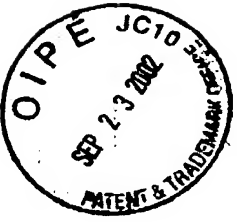
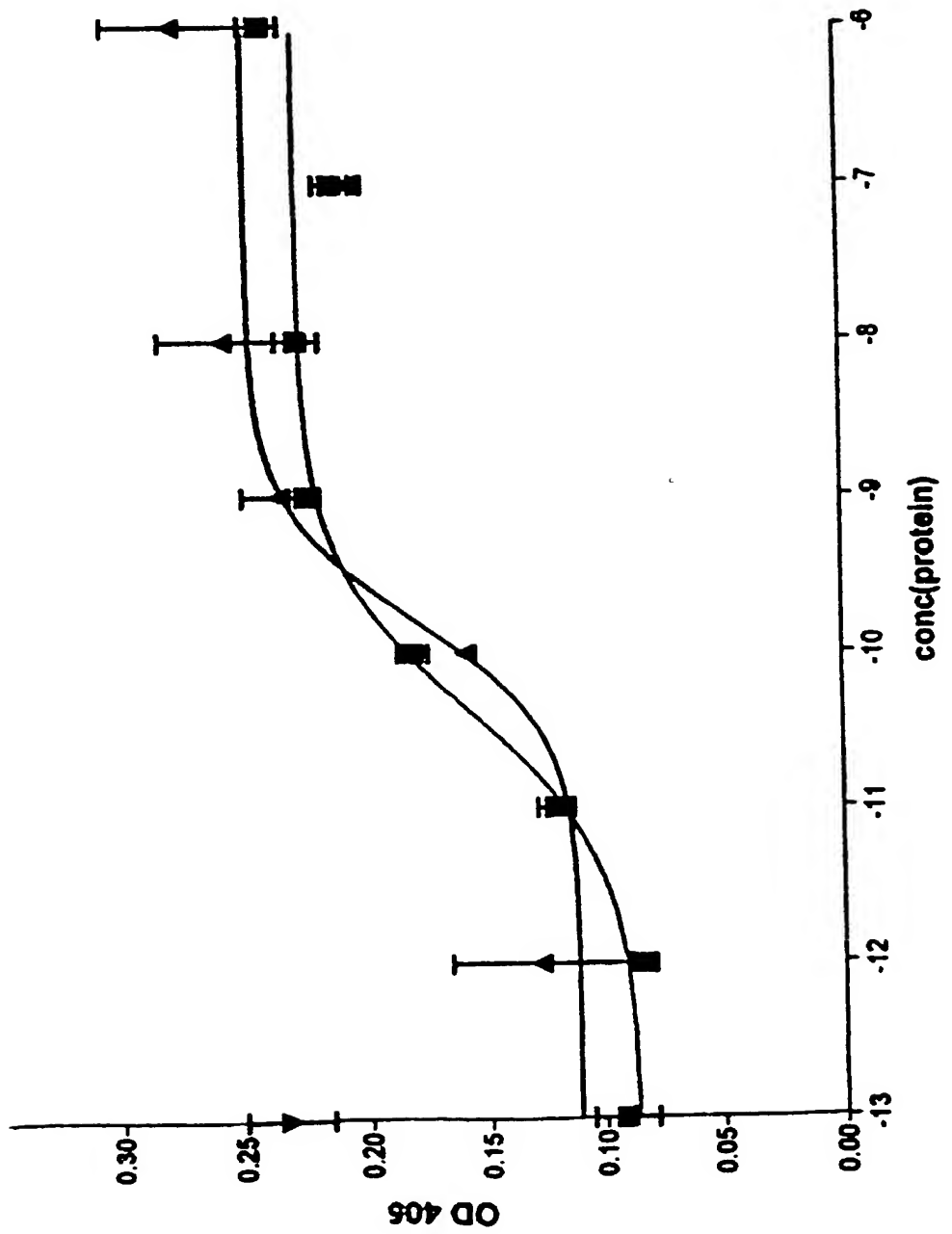


Fig. 6



10/10/2002 10:10:10



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Fig. 7A

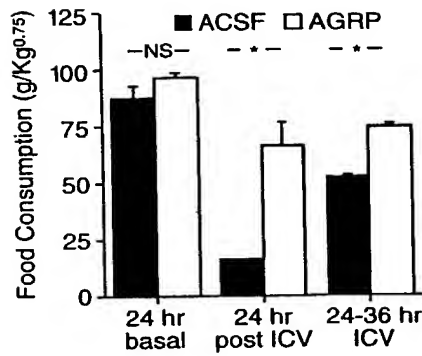


Fig. 7B

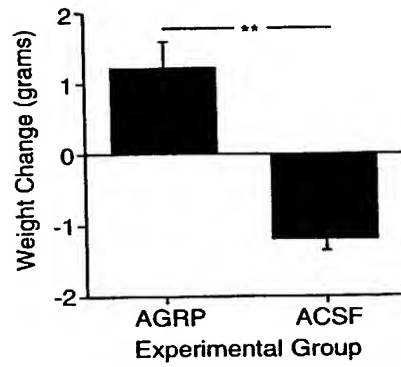
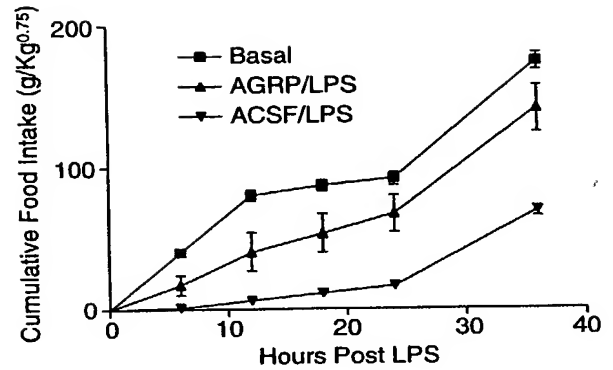


Fig. 7C

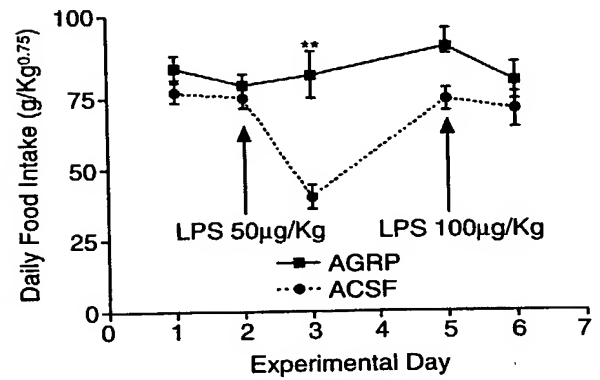
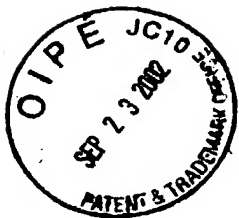


Fig. 7D



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Fig. 8A

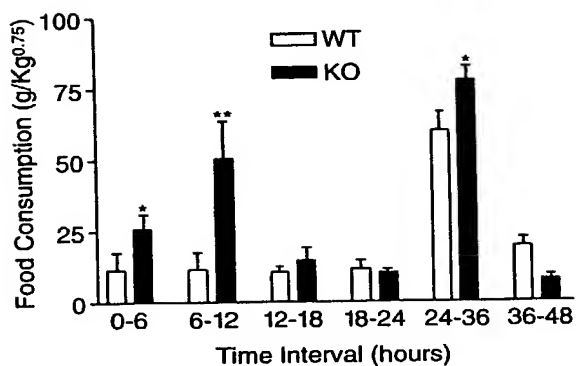


Fig. 8B

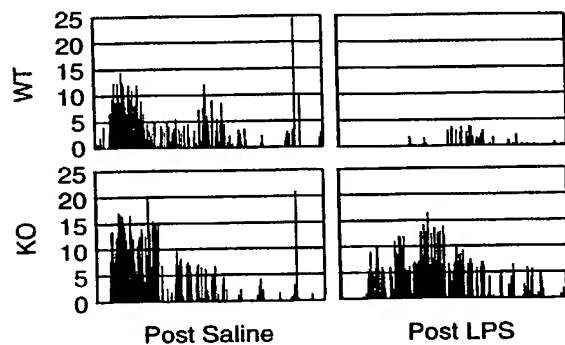
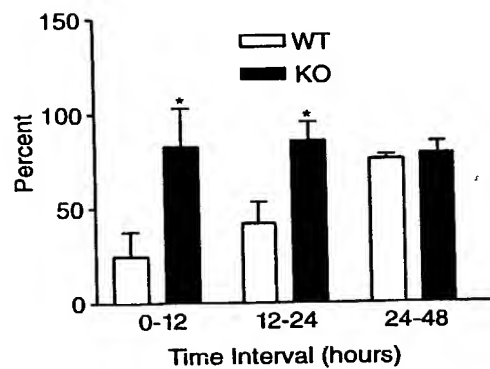


Fig. 8C

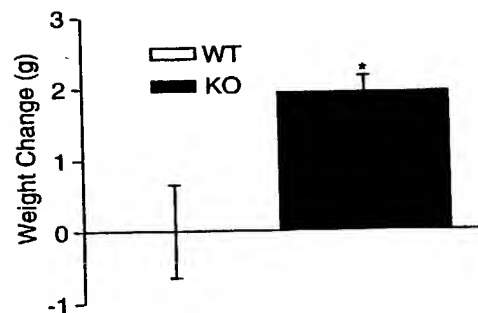
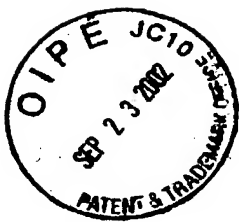


Fig. 8D



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Adrenal Stress Response to LPS in MC4-RKO Mice

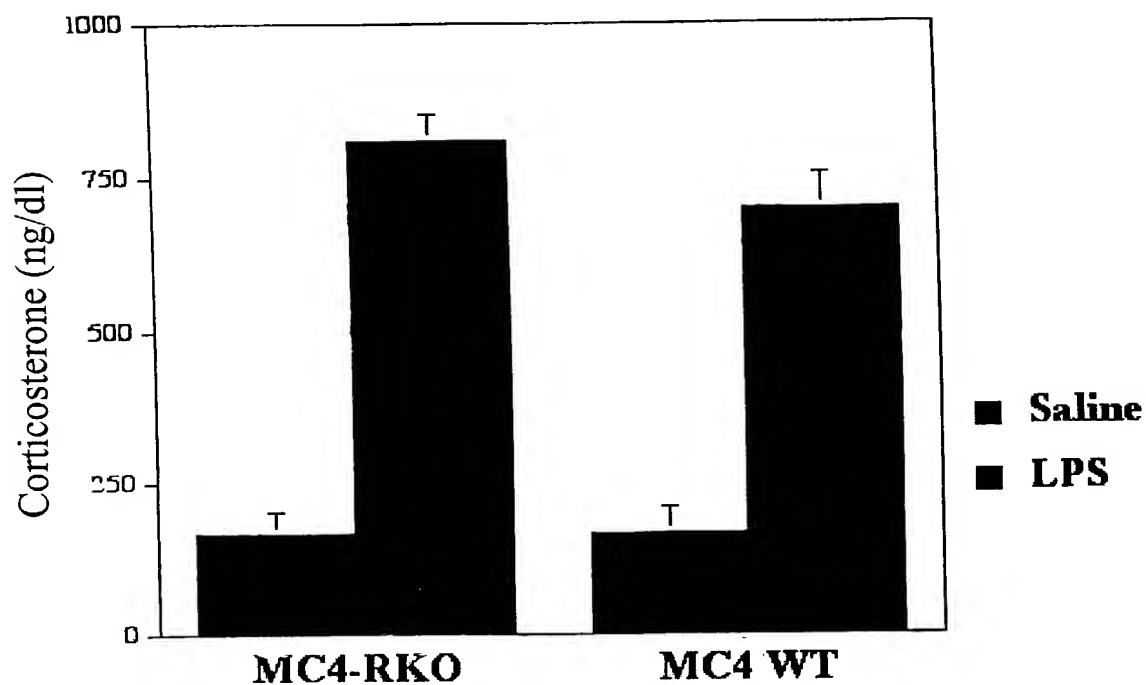


Fig. 8E

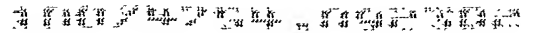


Fig. 9B

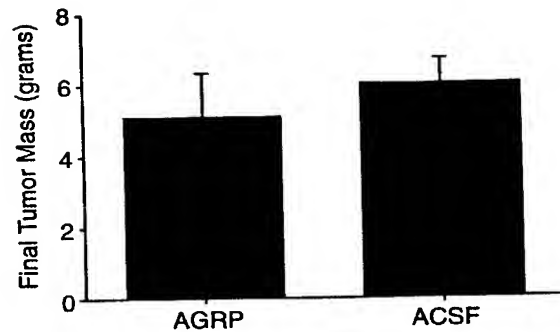
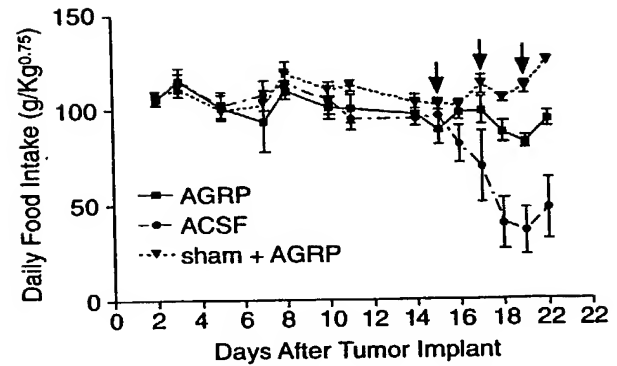


Fig. 9D

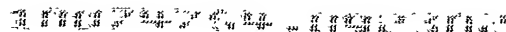


Fig. 10B

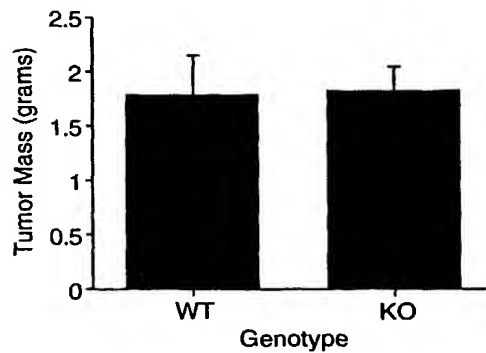
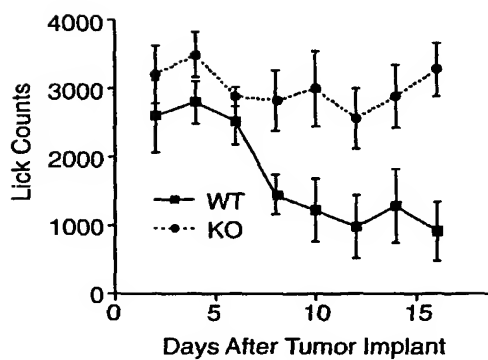
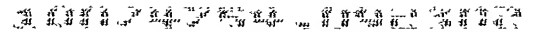


Fig. 10D



Carcass Weight Change During Tumor Growth

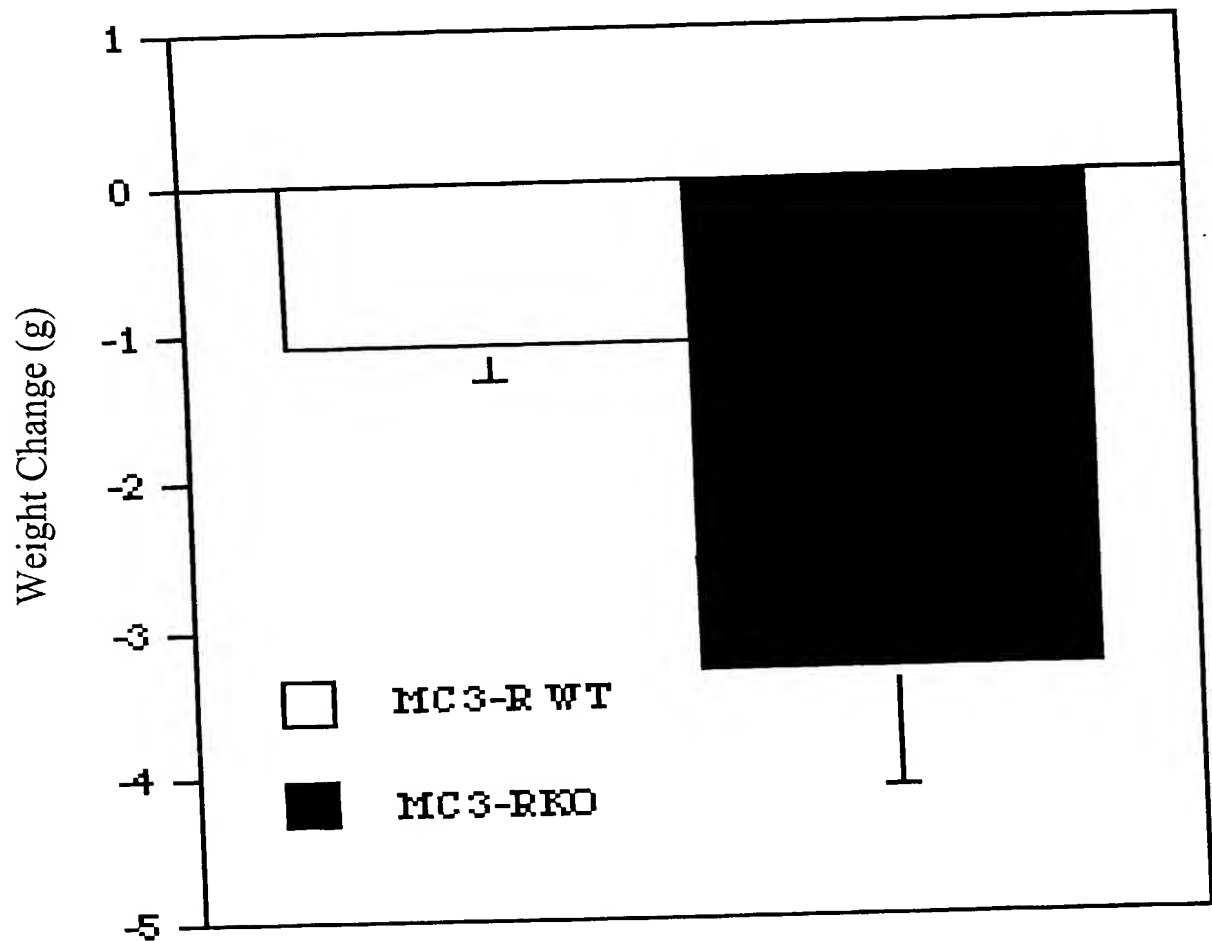
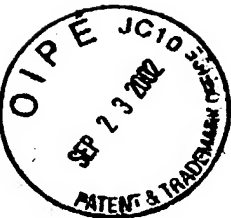


Fig. 10E



Metabolic Response to LPS in MC4-RKO Mice

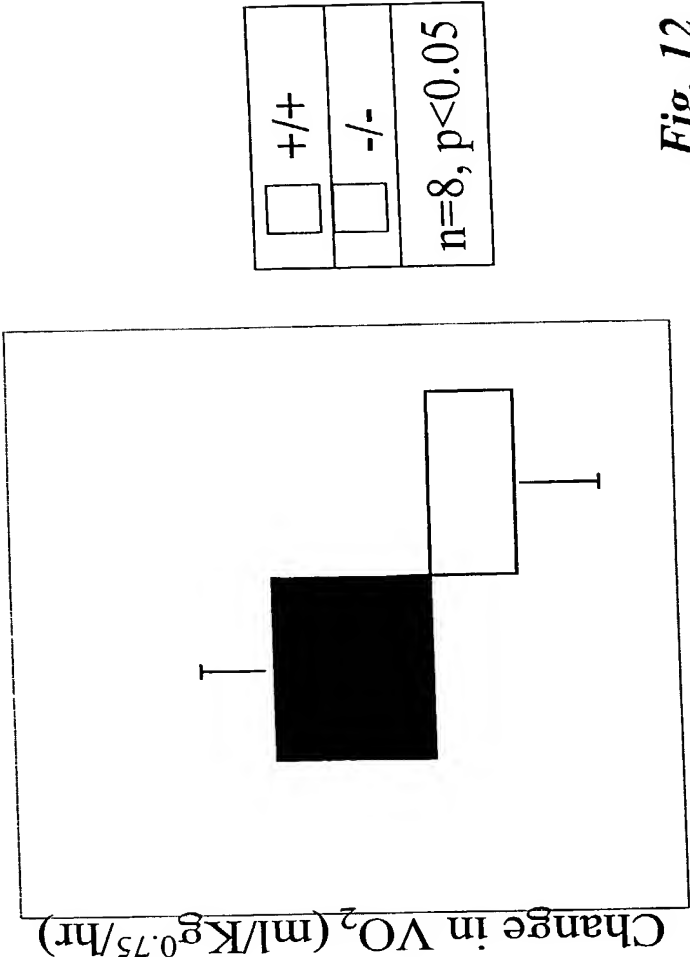


Fig. 12